

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

DR-655

Effective Date: November 1, 2013

Reevaluation Date: **August 2017**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

**Contours Premium Steel, Steel Edge Hinged Inswing and Outswing Opaque Doors with Dunbarton Redi-Flex Frame, Impact Resistant,** manufactured by

**JELD-WEN Windows & Doors**  
3737 Lakeport Blvd.  
Post Office Box 1329  
Klamath Falls, Oregon 97601  
Telephone: (541) 882-3451

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Contour Premium Steel, Steel Edge Hinged Inswing Opaque Doors	Maximum Size Tested: 39" x 87" AFCO Threshold Missile Level D	+66 / -66 psf
2	Contour Premium Steel, Steel Edge Hinged Outswing Opaque Doors	Maximum Size Tested: 39" x 87" AFCO Threshold Missile Level D	+66 / -66 psf

### Component Dimensions:

System	Overall Size	Panel Size	Daylight Opening Size
1	38.94" x 86.63"	35.75" x 83.25"	N/A
2	38.94" x 85.38"	35.75" x 83.25"	N/A

### Hardware:

- Hinges; Three required; Secured to the door panel with four No. 9 x  $\frac{3}{4}$ " screws. Secured to the door jamb with three No. 9 x  $\frac{3}{4}$ " screws and one No. 9 x  $2\frac{1}{2}$ " screw.
- Schlage A53PD Passage Lockset; Located on the door panel.
- Schlage B560P Deadbolt Lock; Located on the door panel.
- Strike plate – Lockset; One required; Located on the door jamb; Secured with two No. 8 x 2" screws.
- Strike plate – Deadbolt; One required; Located on the door jamb; Secured with two No. 8 x 2" screws.

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**Threshold:**

- AFCO in-swing threshold, aluminum composite, P-2000F, 1.375" high (System 1)
- AFCO out-swing threshold; aluminum composite; A-117-FR; 0.9375" high (System 2)

**Product Identification (Certification Agency Label on Door):**

System		
1-2	Certification Agency	N/A
	Manufacturer's Name or Code Name	JELD-WEN Windows & Doors
	Product Name	Contour Premium Steel, Steel Edge Door, Impact Rated, Out-Swing and In-Swing
	Test Standards	ASTM E330; ASTM E 1886; ASTM E 1996; Missile Level D

**Impact Resistance:**

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Design Drawings:** The doors shall be installed in accordance with Drawing No. A008267-TX-A, Revision A, titled "Jeld-Wen Door, Installation Details, Contours Premium Steel Opaque Panel In Dunbarton Redi-Flex 90 Min. Steel Frame Up To 3'-0" x 7'-0", Outswing/Inswing," sheets 1 through 6 of 6, dated November 20, 2012, and revised July 23, 2013, signed and sealed by Alex Spyrou, P.E. on August 2, 2013. The stated drawings will be referred to as the approved drawings in this evaluation report.

**Wall Framing Construction:** The doors may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 3,000 psi)
- Hollow concrete block; ASTM C-90, Grade N, Type 1 (or greater)
- Wood dimension lumber (minimum Spruce-Pine-Fir)

**Installation:**

- Refer to Sheet 1 of 6 of the approved drawings for general notes.
- Refer to Sheets 2 of 6 through 5 of 6 of the approved drawings for installation details.
- Refer to Sheet 6 of 6 of the approved drawings for the anchor layout.
- The approved drawings indicate the minimum embedment depths for the fasteners.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) the International Building Code (IBC), and the Texas Revisions.